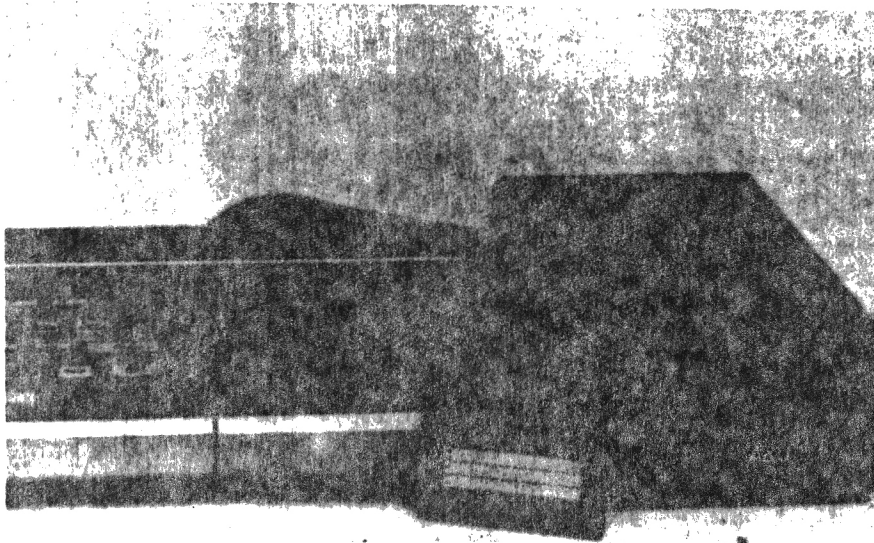


RNG ENTERPRISES
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OREGON CITY, OR 97045

MODEL 2000 STRINGY FLOPPY

From

A&J MICRO
DRIVE



Pictured above is a Timex 2068 computer, Stringy Floppy Interface & Drive and a Micro Wafer II.

FEATURES

1. Lowest cost high speed mass storage system available.
2. High speed 11K baud data transfer rate.
3. Loads 28K program in 24 seconds.
4. Simple easy to use!
5. 90 day warranty.
6. Reliable and portable.
7. No rewinding or volume controls.
8. No cassette hassles.

A&J MICRO

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MODEL 2000 STRINGY FLOPPY SYSTEM

What can I connect the Stringy Floppy to?

The Model 2000 Stringy Floppy is compatible with the Timex 2068 Computer.

How do you connect it?

Connection of the Model 2000 Stringy Floppy is very easy. The system has an 18 inch 64 conductor flat cable with the mating card edge connector attached to the end. Simply plug the card edge connector/cable assembly Printed Circuit Board into the system bus connector. No modifications to the Timex 2068 are required to run the system.

How do you use the Model 2000?

The Model 2000 operating system patches the cassette routines to the drive. All you need to do to use the Model 2000 is insert the stringy floppy flag and file number inside the quotes of the file name in any save and load operation. The stringy floppy flag is the "@" symbol. The file number is any number from 1 to 9. An example of saving a program with the name of TEST as the first file on your Micro Wafer is; SAVE "@1,TEST". You must save files in order and file 3 cannot be saved until file 2 exists.

What is the storage capacity of the Micro Wafer II?

Below is a table of the available lengths, storage capacity, and run time for each of the Micro Wafer II. The run time is equal to the time it takes the Micro Wafer II to run one complete revolution. This means a 35' Micro Wafer II which holds 49K of data could load a 49K program in 42 seconds.

Length	Storage	Run Time
10'	14K	12 sec.
20'	28K	24 sec.
35'	49K	42 sec.
50'	70K	60 sec.
62'	85K	73 sec.

Where does the operating system reside in memory?

The Model 2000 Stringy Floppy operating system resides inside the Extension ROM area. This ROM had a 2K area of unused ROM where we placed the bulk of our operating system. The remaining 100 bytes of stack, pointers, and other bookkeeping functions reside from F000-F100. We also reset Basic RAM top to EFFF (4K bytes below the normal top).

Where does the power come from?

Power for the Model 2000 Stringy Floppy is taken directly from the Timex 2068. Our Model 1000 supplied its own power, but the 2068 has plenty of power to run our system.

Will I experience save and load problems like in the cassette?

No! Our system uses advanced digital circuitry to read and write data quickly and without errors. We write to our Micro Wafer in a FM (Frequency Modulation) recording format. Frequency Modulation is the standard method used in floppy disk recording.

How will A&J Micro Drive support the Model 2000 Stringy Floppy?

A&J Micro Drive will support the Micro Drive by offering commercial software and hardware distributors incentives to convert to the Model 2000 system. We feel we have successfully started this process.

Will you release source code for the operating system?

Yes. The source code will be released. Releasing the source code will help commercial software developers program more efficiently with respect to the Model 2000 Stringy Floppy. It will also be helpful to those advanced home programmers in their development as well.

Are the Model 2000 and Model 1000 compatible?

No. The Model 2000 Stringy Floppy uses a new improved tape drive and tape. We choose to use the new system because it performs better than the older system. Also, the new drive and tapes are being used in other systems meaning the tapes will be available from more locations. Also, the greater volume of tape sales will decrease the tape price over time.

Why did A&J Micro Drive design a Stringy Floppy and not a Disk?

Price and ease of use for the customer. The disk interface WITHOUT the first drive, power supply, cable will cost as much as a complete Model 2000 Stringy Floppy. The extras needed to run the disk interface will cost at least another \$250.00. Also, the Model 2000 is very easy to use and really nothing new must be learned to use the system.

SYSTEM SPECIFICATIONS

Dimensions:

Drive _____ 6.5 x 4.5 x 3 inches
Cable _____ 18 inches

Weight:

Drive _____ 24 oz.

Operating Environment:

Temperature _____ 10°C to 50°C
Relative Humidity (noncondensing) _____ 20% to 80%

Power Requirements:

	V_{Input}	V_{CC}
Voltage (including ripple) _____	15V DC .25 amp	+5Vdc $\pm 5\%$
Maximum ripple _____	200 mV _{p-p}	—

Tape Speed (typical values):

	Normal
Speed _____	10ips($\pm 3\%$)
Start Time _____	150ms
Stop Time _____	100ms
Start Distance _____	1.0 in.
Stop Distance _____	.8 in.

Signal Levels: (LSTTL Compatible)

Input True (low) _____	0.8V max.
Input False (high) _____	2.0V min.
Output True (low) _____	0.4V max.
Output False (high) _____	2.4V max.

Data:

Transfer Rate _____ 11400 baud
Jitter (output) _____ 5% or less
Capacity (62 ft. wafer) _____ to 85K bytes

MONEY BACK GUARANTEE:

All wafer drive come with a 30-day unconditional money-back guarantee. 30 day refund policy may vary with A&J Micro Drive hardware suppliers.

WAFFER DRIVE WARRANTY:

All A&J Micro Drive Sales & Service products (except MICRO WAFERS) are warranted for 90 days. If your products should fail within 90 days, A&J Micro Drive will repair your products for no charge, if return postage paid. Additionally, all products may be returned postage paid within 30 days for full refund of purchase price.

MICRO WAFER WARRANTY:

Wafers are guaranteed for a period of 45 days from date of shipment. If the wafer should fail during this period, return the wafer post paid and replacements will be returned as soon as possible at no charge.

EXCEPTIONS TO WARRANTY:

Operator misuse.

Customer repairs or modifications not authorized by A&J Micro Drive Sales & Service.

Shipment damaged due to improper packing.